



Ne000264US/371

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PTO/SB/81 (02-01)
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POWER OF ATTORNEY OR AUTHORIZATION OF AGENT	Int'l. Application Number	PCT/US04/08593
	Int'l. Filing Date	March 18, 2004
	U.S. Application Number	10/549,520
	Filing Date	September 19, 2005
	First Named Inventor	DeFrees, Shawn
	Title	ACTIVATED FORMS OF WATER-SOLUBLE POLYMERS
	Group Art Unit	To be assigned
	Examiner Name	To be assigned
	Attorney Docket Number	40853-01-5127-US

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Applicant/Inventor.

Assignee of record of the entire interest. See 37 CFR 3.71.

Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

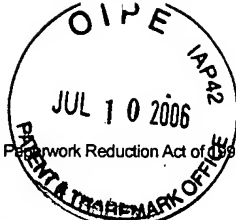
SIGNATURE of Applicant or Assignee of Record

Name	Debra Poul, Esq., Senior Vice President, General Counsel and Secretary, Neose Technologies, Inc.
Signature	
Date	05/11/2006

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

*Total of 1 forms are submitted.

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PTO/SB/96 (08-00)

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U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Attorney Docket No. 040853-01-5127-US

Client Ref. No.: NEO00264US/371

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Shawn DeFreees, et. al.

Application No./Patent No.: 10/549,520

Filed/Issue Date: September 19, 2005

Entitled: ACTIVATED FORMS OF WATER-SOLUBLE POLYMERS

Neose Technologies, Inc., a Delaware corporation

(Name of Assignee)

(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. the assignee of the entire right, title, and interest; or
2. an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

A. An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel __, Frame __, or for which a copy thereof is attached.

OR

B. A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To : _____
The document was recorded in the United States Patent and Trademark Office at Reel __, Frame __, or for which a copy thereof is attached.
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Additional documents in the chain of title are listed on a supplemental sheet.

Copies of assignments or other documents in the chain of title are attached.

[NOTE:] A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8.

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

05/11/2006

Date



Signature

Debra J. Poul, Esq.

Typed or printed name

Senior Vice President, General Counsel and Secretary

Title

Burden Hour Statement. This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

ASSIGNMENT OF PATENT APPLICATION

JOINT

WHEREAS, Shawn DeFrees of 126 Filly Drive, North Wales, PA 19454; David A. Zopf of 560 Beechtree Lane, Wayne, PA 19084, and Caryn Bowe of 276 Cherry Lane, Doylestown, PA, 18901, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified patent application:

Title of Invention:	ACTIVATED FORMS OF WATER-SOLUBLE POLYMERS
Filing Date:	September 19, 2005
Application No.:	10/549,520; and

WHEREAS, Neose Technologies, Inc., located at 102 Witmer Road, Horsham, PA 19044, hereinafter referred to as "ASSIGNEE," hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on any patent application claiming priority from the same;

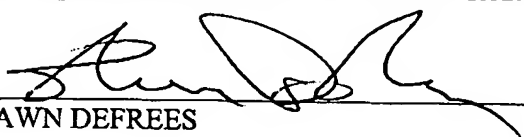
For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents does assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that Assignors will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

Assignors hereby authorize and request Morgan, Lewis & Bockius LLP, One Market, Spear Street Tower, San Francisco, CA 94105, to insert herein above the application number and filing date of said application when known.

IN TESTIMONY WHEREOF, Assignors have signed his/her names on the dates indicated.

Dated: 5/11/2006

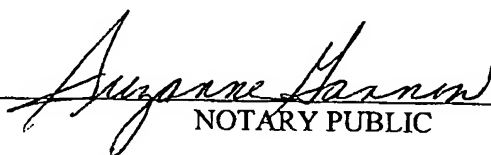

SHAWN DEFREES

STATE OF PENNSYLVANIA)
) ss.
COUNTY OF MONTGOMERY)

On 5/11/06, before me, Suzanne Gannon personally appeared Shawn DeFrees, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.


WITNESS my hand and official seal.




NOTARY PUBLIC

My Commission Expires: _____

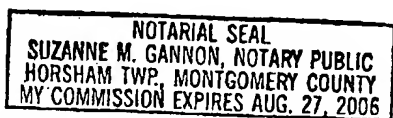
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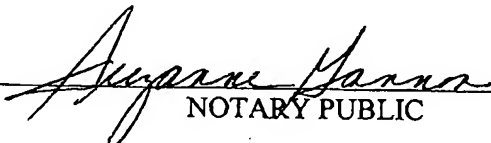

DAVID A. ZOPF

STATE OF PENNSYLVANIA)
) ss.
COUNTY OF Montgomery)

On 5/11/06, before me, Suzanne Gannon personally appeared David A. Zopf, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.




NOTARY PUBLIC

My Commission Expires: _____

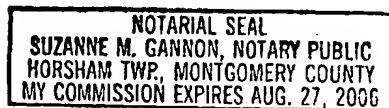
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Caryn Lane Rowe
CARYN ROWE

STATE OF PENNSYLVANIA)
) ss.
COUNTY OF Montgomery

On 5/11/06, before me, Suzanne Gannon personally appeared Caryn
Bowe, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person
whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the
same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the
entity upon behalf of which the person acted, executed the instrument.

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Suzanne Gannon
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